

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

RESOLUTION NO. 70-46

PRESCRIBING REVISED REQUIREMENTS FOR WASTE DISCHARGE BY
THE UNITED STATES DEPARTMENT OF DEFENSE, NAVY DEPARTMENT -
FROM ITS FUEL DEPOT AT POINT MOLATE INTO SAN FRANCISCO
BAY NEAR RICHMOND, CONTRA COSTA COUNTY, AND RESCINDING
RESOLUTION NO. 168

WHEREAS THIS REGIONAL BOARD HAS CONSIDERED

INFORMATION ABOUT THIS DISCHARGE

1. The United States Department of Defense, Navy Department, called the discharger below, filed a Report on Waste Discharge dated September 30, 1968 for its Fuel Depot at Point Molate with this Regional Water Quality Control Board.
2. The report and other data submitted by the discharger provide the following information about the characteristics of the wastes and waste treatment:
 - a. Waste "A" is sewage from the main base Imhoff tank which has a design capacity of 10,000 gallons per day (gpd). The average flow is approximately 8000 gpd from a population of 150 persons, 29 of whom are resident. The waste is discharged 150 feet offshore through a 6-inch diameter outfall without a diffuser. The crown of the outfall is 2 feet below mean lower low water. The outfall is located 650 feet southerly from the intersection of the shoreline road with Diesel Road.
 - b. Waste "B" is sewage from a septic tank which receives waste from buildings numbers 69 and 78. The waste is discharged to the Bay 150 feet southwest of building number 78 through a 6-inch pipe.
 - c. Waste "C" is sewage from a septic tank having a "30 man" capacity which receives waste from building number 87. The waste first passes through a leaching field then flows through a 6-inch pipe to discharge in the Bay 150 feet southwest of building number 87.
 - d. Waste "D" is sewage from a septic tank having a "30 man" capacity which receives waste from building number 75. The waste passes through a leaching field then flows through a 6-inch pipe to a waterway between Road A and Range Road just east of Main Road.
 - e. Waste "E" is sanitary waste from workers on the end of the pier which is discharged to the Bay untreated.

- f. Waste "F" is sewage from a proposed sewerage system that would collect all the sewage on the base to be treated in an extended-aeration plant with chlorination. The waste would then be discharged through the existing outfall now being utilized to discharge Waste "A" to the Bay.
3. This Regional Board has stated intent to revise requirements for existing waste discharges to conform with the policy adopted by Resolution No. 67-30.
4. Phase I of the plan recommended by the Final Bay-Delta Report would intercept waste discharges in this general area for transport to the central Bay.

ADMINISTRATIVE INFORMATION

1. Any discharger under the jurisdiction of the Regional Board is required by Section 13260 of the California Water Code to file with the Regional Board a report of any material change or proposed change in the character, location or volume of the discharge.
2. The Regional Board is authorized by Section 13267 of the California Water Code to require any discharger under its jurisdiction to furnish such technical or monitoring program reports as the Board may specify.
3. Section 11 of the Federal Water Pollution Control Act, as amended (33 U.S.C. 466 et seq.) declares it to be the intent of the Congress that any Federal department having jurisdiction over any installation shall, insofar as practicable and consistent with the interests of the United States and within any available appropriations, cooperate with any State agency having jurisdiction over waters into which any matter is discharged from such property, in preventing or controlling the pollution of such waters.
4. The Presidential Executive Order No. 11507 states that:

"It is the intent of this order that the Federal Government in the design, operation, and maintenance of its facilities shall provide leadership in the nationwide effort to protect and enhance the quality of our air and water resources.

.

The use of municipal or regional waste collection or disposal systems shall be the preferred method of disposal of wastes from Federal facilities.".

CORRESPONDENCE

This Regional Board has considered correspondence about this matter from:

1. State Department of Public Health in its memorandum dated May 4, 1970.

STAFF INVESTIGATION

1. These wastes can affect the following present and proposed beneficial water uses in San Francisco Bay:

Swimming, water-skiing, wading, pleasure boating, marinas, fishing, and shellfishing

Fish, shellfish, and wildlife propagation and sustenance, and water-fowl and migratory birds habitat and resting

Navigation channels and port facilities

Esthetic appeal.

2. Land within 1000 feet of the outfalls is used for recreation, industry and transportation.

RESOLVED BY THIS REGIONAL BOARD

BOARD INTENT

1. Protect public health as it may be affected by these waste discharges.
2. Prevent nuisance, as defined in Section 13050(m) of the California Water Code.
3. Protect the beneficial water uses listed under "Staff Investigation" above.

In accordance with Section XVII of its Resolution No. 803, this Board has received a report from the Department of Fish and Game dated August 26, 1968, which describes beds suitable for shellfishing that are located between Castro Point, Molate Point, Orient Point and San Pablo Point.

This Board will consider the matter of protecting these beds for the taking of shellfish for human consumption after it has reviewed a report to be submitted by the State Department of Public Health in accordance with Resolution No. 803.

4. Encourage the investigation of feasibility of consolidation of these discharges with an adjacent community sewerage system or use of land disposal if such consolidation should be infeasible.

WASTE DISCHARGE REQUIREMENTS - RECEIVING WATERS

1. The treatment or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.

2. The discharges shall not:

- a. Unreasonably affect any of the protected beneficial water uses resulting from:

Floating, suspended, or deposited macroscopic particulate matter or foam in waters of the State at any place;

Bottom deposits at any place;

Aquatic growths at any place;

Alteration of temperature, turbidity, or apparent color beyond present natural background levels in waters of the State at any place.

- b. Cause visible, floating, suspended or deposited oil or other products of petroleum origin in waters of the State at any place.

- c. Cause waters of the State to exceed the following limits of quality at any points within one foot of the water surface:

pH	7.0 minimum 8.5 maximum
Dissolved Oxygen	5.0 mg/l minimum
Dissolved Sulfide	0.1 mg/l maximum
Nutrients	to be prescribed at the earliest practicable date
Other substances	any one or more substances in concentrations that impair any of the protected beneficial water uses or make aquatic life or wildlife unfit or unpalatable for consumption.

WASTE DISCHARGE REQUIREMENTS - WASTE STREAM

Waste streams A, B, C, D, E, and F shall meet these quality limits at all times:

1. In any grab sample:

Settleable matter

The arithmetic average of any six or more samples collected on any day	0.5 ml/l/hr. maximum
80% of all individual samples collected during maximum daily flow over any 30-day period	0.4 ml/l/hr. maximum
Any sample	1.0 ml/l/hr. maximum.

2. In any representative, 24-hour composite sample:

Toxicity: survival of test fishes in 96-hour bioassays of the waste as discharged

Any sample 75% minimum

Average of any three or more consecutive samples collected during any 21 or more days 90% minimum.

3. Each waste stream as discharged or at some point in the treatment processes shall meet the following quality limits at all times:

Coliform Organisms 240 MPN/100 ml, median of five consecutive samples, maximum

10,000 MPN/100 ml, any single sample, maximum

The Board will accept proof of effective effluent disinfection in terms of factors other than bacterial concentrations if the discharger documents a sound statistical correlation between such factors and bacterial analysis, and provided the conditions of sewage strength and treatment do not change from the demonstration period.

REPORTING REQUESTS

1. This Board requests the discharger to file technical reports on self-monitoring work performed according to detailed specifications developed pursuant to the Regional Board's Resolution No. 398. (Reference: Sections 13267(b) and 13268, California Water Code; Federal Water Pollution Control Act and Executive Order No. 11507).
2. Pursuant to Section 13267 of the California Water Code and in accordance with the Federal Water Pollution Control Act and Executive Order No. 11507, this Regional Board requests the discharger to file the following written reports with the Board:
 - A. On or before July 1, 1970, a technical report on the feasibility of consolidating the discharger's sewerage system with a larger community system.
 - B. On or before July 1, 1970, a technical report on the feasibility of land confinement of all waste from the sewerage system.

- C. If the reports requested in A and B above demonstrate that consolidation and land confinement are infeasible:

On or before August 1, 1970, a report on the facilities proposed to comply with the requirements of this Resolution, and the schedule for providing such facilities. The schedule shall include completion dates for the following steps:

Begin design of necessary facilities

Provide financing for the necessary facilities

Complete construction plans and specifications for the necessary facilities

Award contract(s) for construction of necessary facilities

Begin construction of facilities

Complete construction of facilities, as evidenced by acceptance of the work by the discharger

Demonstrate compliance with these requirements as evidenced by appropriate data collected by the discharger and filed at the office of the Regional Board.

3. The discharger is requested in accordance with Section 11 of the Federal Water Pollution Control Act, as amended, (33 USC 466 et seq.), the President's Executive Order No. 11507 and Section 13267 of the California Water Code to file with this Regional Board technical reports on self-monitoring work performed according to detailed specifications developed pursuant to the Regional Board's Resolution No. 398, and that all sample collection and analysis for the purpose of determining compliance with the requirements prescribed in this Resolution shall be performed according to these detailed specifications.
4. This Board requests the discharger to file a written report within 90 days after the average dry-weather waste flow for any month equals or exceeds 80% of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the

capacity of present units. (Reference: Sections 13260, 13267(b) and 13268, California Water Code.)

5. This Board requests the discharger to file a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge. (Reference: Sections 13060(b) and 13264, California Water Code.)
6. This Board requests the discharger to file a written technical report at least 15 days prior to advertising for bids on any construction project which would cause or aggravate the discharge of waste in violation of these requirements; said report to describe the nature, costs, and scheduling of all actions necessary to preclude such discharge. In no case should any discharge of sewage bearing wastes be permitted without at least primary treatment and chlorination. (Reference: Sections 13267(b) and 13268, California Water Code; Federal Water Pollution Control Act and Executive Order No. 11507.)

NOTIFICATIONS

1. This Resolution rescinds Resolution No. 168 and supersedes all prior requirements for this discharge.
2. This Resolution includes items numbered 1, 2, 3, 4, 5, and 6 of the attached "Notifications", dated January 6, 1970.

WILLIAM C. WEBER
Chairman

May 28, 1970

I, Fred H. Dierker, hereby certify that the foregoing is a true and correct copy of Resolution No. 70-46 adopted by the California Regional Water Quality Control Board - San Francisco Bay Region at its regular meeting on May 28, 1970.

FRED H. DIERKER
Executive Officer
CALIFORNIA REGIONAL WATER QUALITY CONTROL
BOARD - SAN FRANCISCO BAY REGION

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION
January 6, 1970

NOTIFICATIONS

1. This Board requests the discharger to take note of the comments and recommendations contained in all the correspondence the Board has received and considered concerning this matter, and the Executive Officer is directed to transmit copies of that correspondence to the discharger.
2. This Board considers "Waters of the State" as defined in Section 13050(e) of the California Water Code to include waste waters over which the discharger has lost control.
3. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under Federal, State, or local laws, nor guarantee the discharger a capacity right in the receiving waters.
4. This Board will prescribe more restrictive requirements for this waste discharge if necessary:

To achieve or maintain dissolved oxygen concentration of at least 5.0 mg/l in tidal waters of the San Francisco Bay System pursuant to Resolution No. 67-30,

To protect shellfishing areas which the Board designates pursuant to Resolution No. 803,

To protect the beneficial water uses, and to achieve other objectives adopted in the resolutions cited above.
5. This Board will review these requirements periodically, as required by law, and will notify the responsible persons before doing so. (Reference: Section 13263(e), California Water Code.)
6. The water quality parameters used in this resolution are as defined in the latest edition of "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association.
7. The discharger is advised that this Board will use the general concepts of Phase I of the plan recommended by the Final San Francisco Bay-Delta Program Report as guidelines in reviewing any application for construction grants for sewerage facilities proposed to comply with these requirements, and if the discharger intends to make such application he must demonstrate the compatibility of the proposed facilities with the general concepts of the Bay-Delta Program.